

10/521098

Reg. PCT/PTO 13 JAN 2005

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
5 February 2004 (05.02.2004)

PCT

(10) International Publication Number  
**WO 2004/011259 A1**

(51) International Patent Classification<sup>7</sup>: **B41C 1/10,**  
B41N 1/00

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(21) International Application Number:  
PCT/IL2003/000602

(22) International Filing Date: 23 July 2003 (23.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/399,127 30 July 2002 (30.07.2002) US

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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## Published:

— with international search report

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SINGLE-COAT SELF-ORGANIZING MULTI-LAYERED PRINTING PLATE

(57) Abstract: A single manufacturing pass for manufacturing a multilayered self-organized coating onto a substrate to provide all of the functions usually provided in multiple-pass coatings for manufacturing an infrared imageable offset lithographic printing plate; and a process whereby two or more polymeric materials that cannot usually co-exist in solution may be dissolved in suitably dilute solvent mixtures which, when coated onto a substrate and the solvents evaporated, deposit a continuous graduation of polymeric mixtures vertical to the substrate, caused by the self-assembly process.

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